

■ Features

- Power Rating: 36W
- Input Voltage: 120-277Vac $\pm 10\%$
- Constant current design
- Fixed output current(660mA-1500mA)
- Efficiency to 81%
- Dimmable with 0-10V dimmer
- UL Class 2
- OVP, OCP, SCP
- IP20
- 5-year warranty
- Plastic case



*Product images are for illustrative purposes only and may vary from actual design.

■ Application

- Indoor lights

■ Model List*(See part number scheme for model number details)

Model Number	Input Voltage Range	Output Power	Output Voltage	Output Current Min.	Output Current Max.	Efficiency	Certification
LXWCD036S070PS-20	120~277Vac $\pm 10\%$	36W	26-51V	700mA	700mA	81%@120V 80%@240V 80%@277V	UL/-
LXWCD036S110PS-20	120~277Vac $\pm 10\%$	36W	16-33V	1100mA	1100mA	81%@120V 80%@240V 80%@277V	UL/cUL
LXWCD036S150PS-20	120~277Vac $\pm 10\%$	36W	12-24V	1500mA	1500mA	81%@120V 80%@240V 80%@277V	UL/cUL

■ Technical Data

Input voltage range	120~277Vac $\pm 10\%$
Frequency	50/60Hz
Power factor	>0.9 under 120V-277V input with 80-100% load condition (for all output currents)
Inrush current	7A @230V
Max input current	0.41A @120V 0.22A @240V and 0.19A @277V
THD	<20% under 120V-277V input with 80-100% load condition (for all output currents)
Load regulation	$\pm 2\%$
Line regulation	$\pm 1\%$
Voltage tolerance	$\pm 5\%$ at full load condition

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■ Technical Data(cont.)

Turn-on delay time	< 0.75s at full load condition
Overshoot	< 10% at full load condition
No load power consumption	< 2W
Ripple & Noise (pk-pk)	< 10%
Withstand voltage	Input to output, 2,800 Vdc, 2mA
Leakage current	Maximum 0.5mA @ 277Vac, 60Hz input
Protection	Over voltage protection: Hiccup mode. Protection will trigger when load voltage exceed specified output voltage and will auto recover after the fault mode is removed. Over current protection: Hiccup mode. Protection will trigger when load current exceed specified output current and will auto recover after the fault mode is removed. Short circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.
Operating temperature	-40 to 60°C
Storage temperature	-40 to 85°C
Humidity	5% to 95%
MTBF:	384,000 hours at 40°C ambient (~70°C case temp)
Life rating	80,000 hours at 120Vac input, 100% load and 60°C case temperature
Maximum case Temperature	90°C
Length (L)	5.35" (136mm)
Width (W)	1.72" (43.6mm)
Height (H)	0.98" (25mm)
Mounting (M)	4.88" (124mm)
Weight	0.23kg
Packing	0.36kg /unit ; 40pcs /carton ; 2,400pcs /pallet

■ Safety and EMC Compliance

UL/cUL	UL 8750
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B Consumer Limit
EN61000-3-2	Harmonic Current Emissions Class C

Disclaimer:

Autec Power Systems' (Autec) LED Drivers are Hi-Pot tested during the manufacturing process. Autec assumes no responsibility for secondary Hi-Pot testing at customer location or designated production line(s). Should customer require further Hi-Pot testing, at their own production line, following assembly of the LED Driver into the customer's assembled fixture, Autec requests advance notice. This request must be communicated to Autec in a timely manner and is recommended to be requested at time of issuing each purchase order.

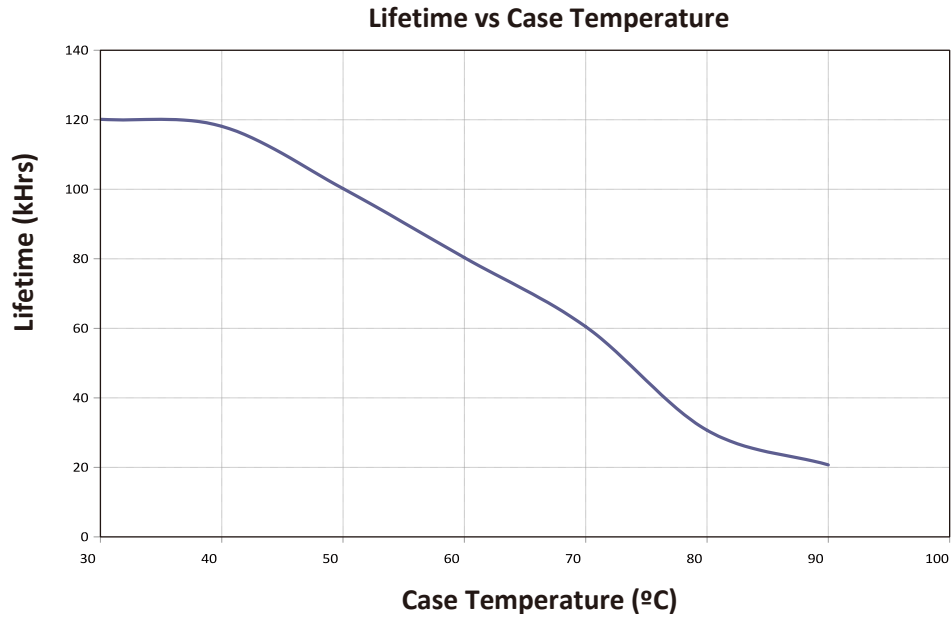
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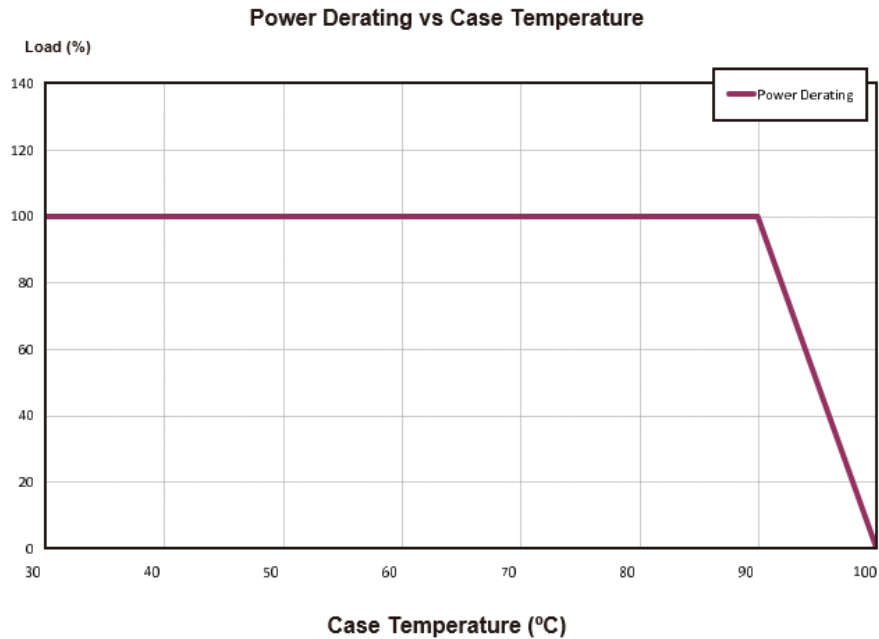
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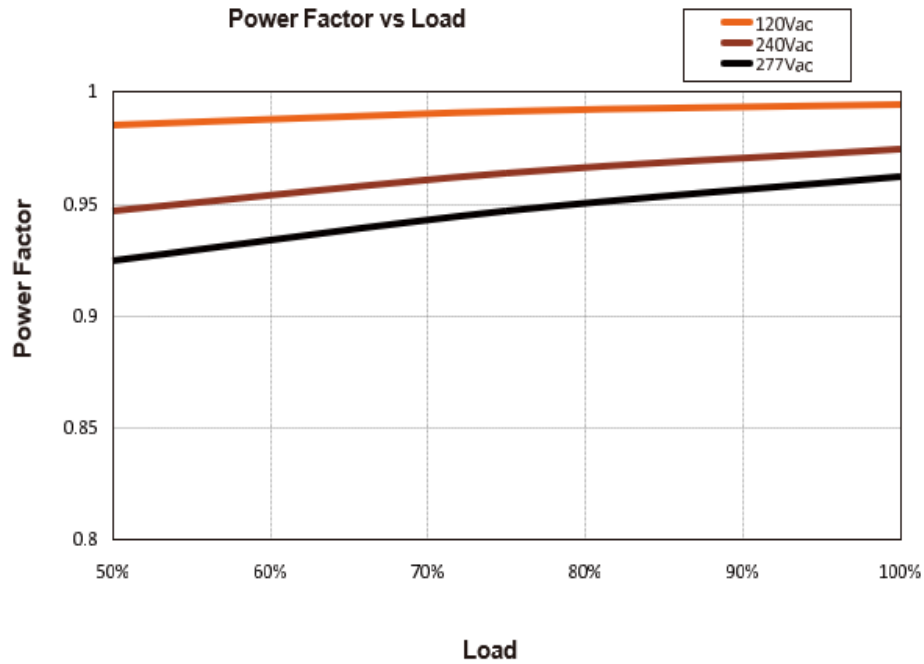
■ Lifetime vs Case Temperature



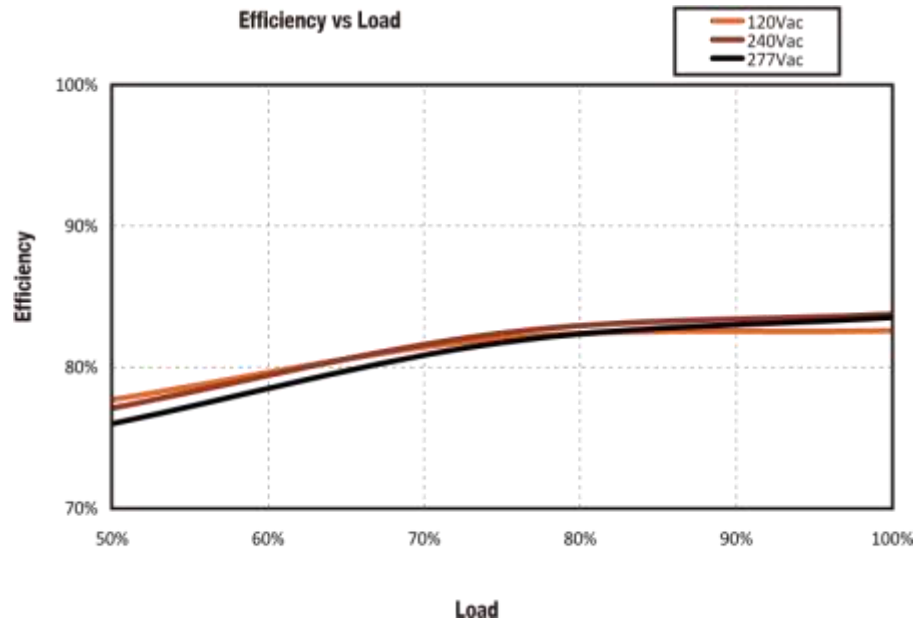
■ Power Derating vs Case Temperature



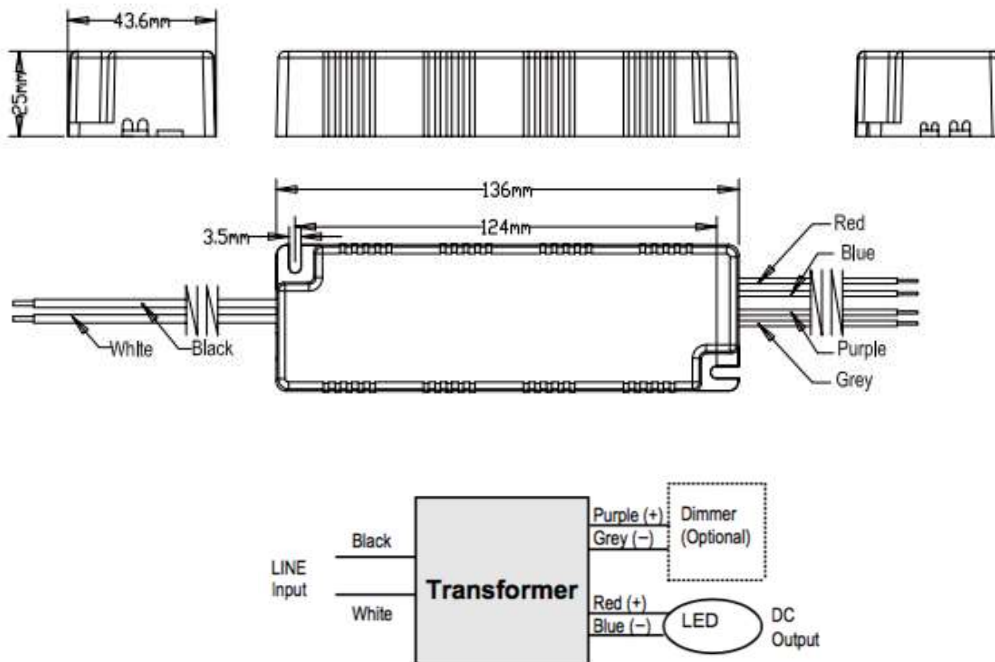
■ **Power Factor vs Load** LXWCD036S150PS-20



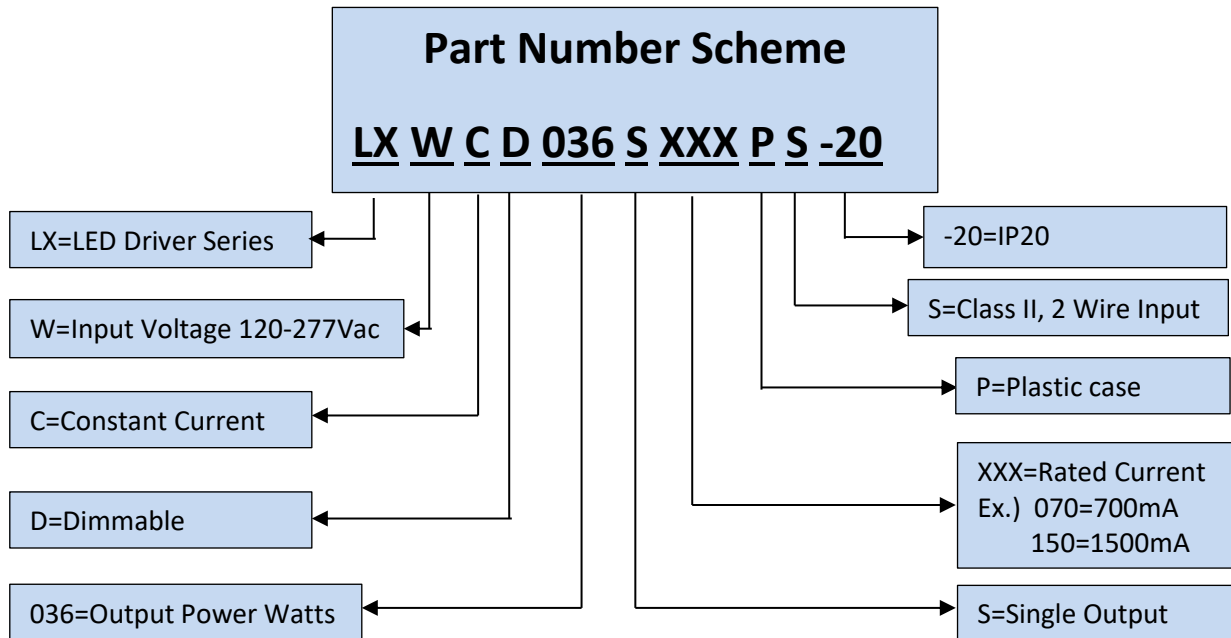
■ **Efficiency vs Load** LXWCD036S150PS-20



■ **Wiring Diagram**



Wire Specifications	
Input	12", UL 1316 #18AWG (Black and White)
Output	12", UL 1569 #18AWG (with Non-Class 2 output)
Output	12", UL 1316/1430 #22AWG (with Class 2 output)
Dimming	Dimming: 12" UL 1316/1430 #22AWG (Purple and Grey)



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***Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.**